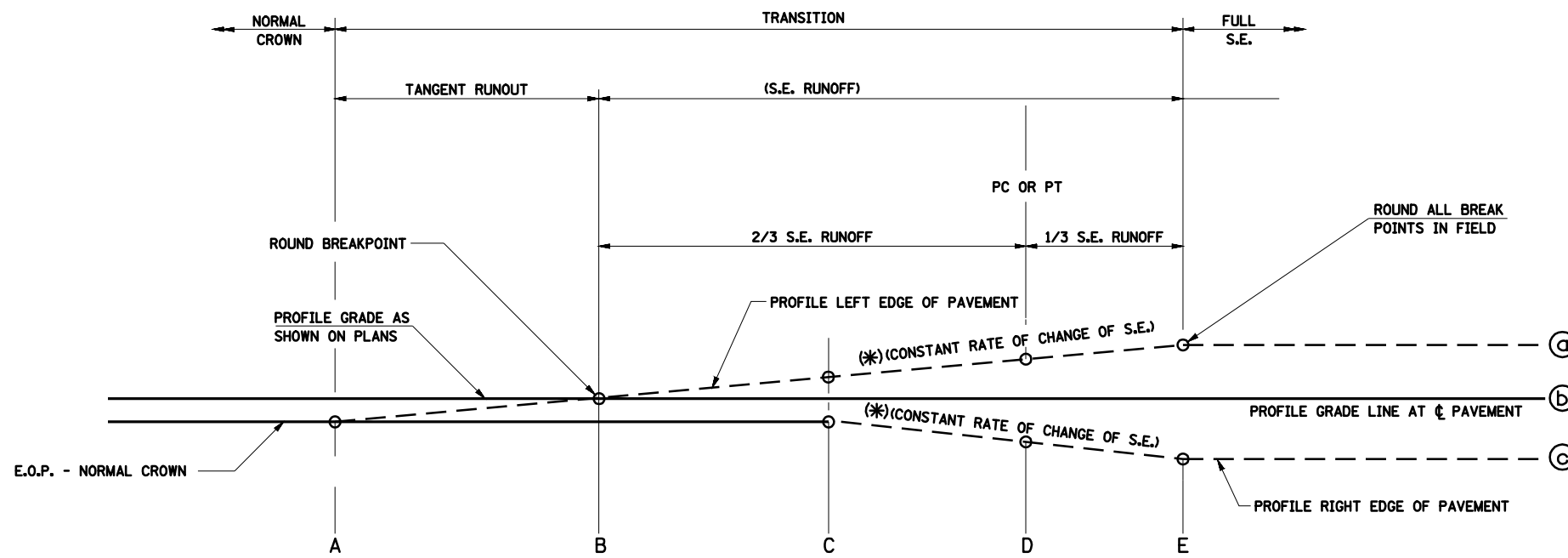
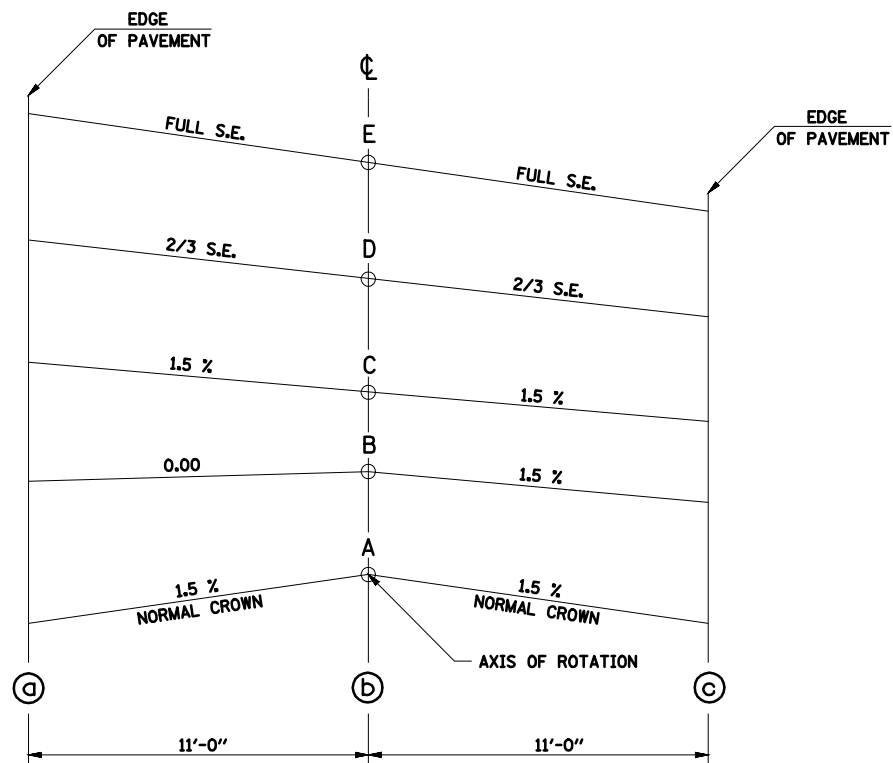


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
71	•	LOGAN	14	9
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
• 10(RS-2); 11(RS-2)				



(*) RATE	
CURVE 2 - [R1]	0.041

**TYPICAL PROFILE - S.E. TRANSITION**



**TYPICAL CROSS SECTION - S.E. TRANSITION**

LOCATION OF SUPERELEVATION TRANSITIONS (STA.)										
CURVE	EX. S.E.	REQ'D SE	TR	L <sub>1</sub>	S <sub>normal</sub>	A	B	C	D	E
2 - [R1]	1.25%	2.6%	36.6'	63.5'	1.5%	94+57.27	94+93.87	---	PC 95+36.2	95+57.37
						106+12.83	105+76.23	---	PT 105+33.9	105+12.73

$$TR = \frac{S_{normal}}{S.E.} (L_1)$$

$$L_1 = (S.E.) \cdot (w) \cdot (RS)$$

L<sub>1</sub> = CALCULATED SUPERELEVATION RUNOFF LENGTH

w = WIDTH OF ROTATION FOR ONE LANE

S<sub>normal</sub> = TRAVEL LANE CROSS SLOPE ON TANGENT, DECIMAL

RS = RECIPROCAL OF RELATIVE LONGITUDINAL SLOPE BETWEEN THE P.G.L. AND OUTSIDE EDGE (1/(\*)) RATE)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**SUPERELEVATION TRANSITION DETAILS**

SCALE: VERT.  
HORIZ.

DRAWN BY  
CHECKED BY